power consumption display portion indicative of the power being consumed by the subsystems.

[0105] Example 19 is an agricultural machine, comprising:

[0106] a plurality of subsystems, each performing a function of the agricultural machine;

[0107] a plurality of power detectors, each power detector detecting a variable indicative of power consumed on a given subsystem, of the plurality of subsystems, and generating a corresponding power consumption signal indicative of the detected variable;

[0108] a consumption analysis component that identifies power consumption of each of the plurality of subsystems based on the power consumption signals; and

[0109] a power consumption surfacing system that receives the identified power consumption and generates a visualization indicative of the power consumed by each of the plurality of subsystems.

[0110] Example 20 is the agricultural machine of any or all previous examples wherein the power consumption surfacing system comprises:

[0111] a visualization generator configured to generate the visualization with a machine display portion displaying a depiction of the agricultural machine and a power consumption display portion that displays the power being consumed by each subsystem, the visualization including visual indicia correlating the subsystems on the depiction of the agricultural machine to metric values on the power consumption display portion indicative of the power being consumed by the subsystems.

[0112] Although the subject matter has been described in language specific to structural features and/or methodological acts, it is to be understood that the subject matter defined in the appended claims is not necessarily limited to the specific features or acts described above. Rather, the specific features and acts described above are disclosed as example forms of implementing the claims.

What is claimed is:

1. An agricultural machine, comprising:

a plurality of subsystems, each performing a function of the agricultural machine;

a plurality of power detectors, each power detector detecting a variable indicative of power consumed on a given subsystem, of the plurality of subsystems, and generating a corresponding power consumption signal indicative of the detected variable; and

a power consumption surfacing system that receives the power consumption signals from the plurality of power detectors and generates a visualization indicative of the power consumed by each of the plurality of subsystems.

2. The agricultural machine of claim **1** wherein the power consumption surfacing system comprises:

a consumption analysis component that identifies power consumption of each of the plurality of subsystems based on the power consumption signals.

3. The agricultural machine of claim **2** wherein the power consumption surfacing system comprises:

a visualization generator configured to generate the visualization to show a metric value corresponding to each subsystem, indicative of the power being consumed by the corresponding subsystem.

4. The agricultural system of claim **3** wherein the visualization generator generates the visualization with a machine display portion displaying a depiction of the agricultural machine and a power consumption display portion that displays the power being consumed by each subsystem.

5. The agricultural machine of claim **4** wherein the visualization generator generates the visualization with the machine display portion showing each of the plurality of subsystems on the depiction of the agricultural machine.

6. The agricultural machine of claim **5** wherein the visualization generator generates the visualization with visual indicia correlating the subsystems on the depiction of the agricultural machine to the metric values on the power consumption display portion indicative of the power being consumed by the subsystems.

7. The agricultural machine of claim **6** wherein the visualization generator generates the visualization with the visual indicia color coding the subsystems on the depiction of the agricultural machine with the metric values on the power consumption display portion indicative of the power being consumed by the subsystems.

8. The agricultural machine of claim **5** wherein the visualization generator generates the visualization with the power consumption display portion displaying the power being consumed by each of the subsystems on a chart.

9. The agricultural machine of claim **5** wherein the visualization generator generates the visualization with the power consumption display portion displaying the power being consumed by each of the subsystems as alphanumeric values.

10. The agricultural machine of claim **1** wherein at least a given one of the subsystems has a plurality of power consuming components and wherein the power consumption surfacing system generates the visualization to show power being consumed by the individual power consuming components.

11. The agricultural machine of claim **1** wherein the agricultural machine comprises a combine and wherein the subsystems comprise one or more of a threshing subsystem, a separating subsystem, a cleaning subsystem, a residue processing subsystem, a propulsion subsystem, a front end equipment subsystem, and a material handling subsystem.

12. A method of controlling an agricultural machine, comprising:

detecting a variable indicative of power consumed on a given subsystem, of a plurality of subsystems that each perform a function on the agricultural machine;

generating a corresponding power consumption signal indicative of the detected variable; and

surfacing a visualization indicative of the power consumed by each of the plurality of subsystems, based on the corresponding power consumption signals.

13. The method of claim **12** wherein surfacing comprises:

identifying power being consumed by of each of the plurality of subsystems based on the power consumption signals; and

generating the visualization to show a metric value corresponding to each subsystem, indicative of the power being consumed by the corresponding subsystem.

14. The method of claim **13** wherein generating the visualization comprises:

generating the visualization with a machine display portion displaying a depiction of the agricultural machine